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FORM HDP-1449 (Based on Form PTO-1449)		ATTORNEY DOCKET NO.	SERIAL NO.
		4075-000002	09/770,097 ..
		APPLICANT	
		S. Muirhead	
		FILING DATE	GROUP
		January 24, 2001	

PATENT AND TRADEMARK OFFICE
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Sheet 1 of 10

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
1.	D.F.	3,398,434	08/27/68	Alesi, Jr., et al.		
2.		3,583,036	06/08/71	Brown		
3.		3,597,799	08/10/71	Earle		
4.		3,695,188	10/03/72	Granatstein		
5.		3,702,100	11/07/72	Wharton		
6.		3,779,687	12/18/73	Alesi		
7.		3,783,078	01/01/74	Brodhead		
8.		3,787,158	01/22/74	Brown, et al.		
9.		3,867,088	02/18/75	Brown, et al.		
10.		3,868,209	02/25/75	Howell		
11.		3,919,382	11/11/75	Smarook		
12.		3,919,445	11/11/75	Smarook		
13.		3,919,446	11/11/75	Smarook		
14.		3,964,400	06/22/76	Brand		
15.		4,013,021	03/22/77	Steinlein, et al.		
16.		4,070,839	01/31/78	Clem		
17.		4,079,232	03/14/78	Brokoff, et al.		
18.		4,101,252	07/18/78	Brown		
19.		4,113,909	09/12/78	Beasley		
20.		4,133,270	01/09/79	Ravera		
21.		4,158,539	06/19/79	Arends, et al.		

Examiner: Dan O'Byrne Date Considered: 4/28/05

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
22.	DJ	4,164,387	08/14/79	Schermutzki, et al.		
23.		4,164,389	08/14/79	Beasley		
24.		4,194,663	03/25/80	West, et al.		
25.		4,244,915	01/13/81	Boardman		
26.		4,255,382	03/10/81	Arends, et al.		
27.		4,287,836	09/08/81	Aoki		
28.		4,348,442	09/08/82	Figge		
29.		4,377,377	03/22/83	Arends, et al.		
30.		4,428,306	1/31/84	Dresen et al.		
31.		4,464,329	08/07/84	Whiteside, et al.		
32.		4,488,496	12/18/84	Polacco		
33.		4,500,213	2/19/85	Grimm		
34.		4,507,348	03/26/85	Nagata, et al.		
35.		4,509,432	04/09/85	Win		
36.		4,509,909	04/09/85	Arends		
37.		4,513,048	04/23/85	Kaube, et al.		
38.		4,531,901	07/30/85	Andersen		
39.		4,555,381	11/26/85	Chazal, et al.		
40.		4,600,376	07/15/86	Gillman, et al.		
41.	+	4,606,278	08/19/86	Shuert		

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Examiner: Dany J. Pope Date Considered: 4/28/05

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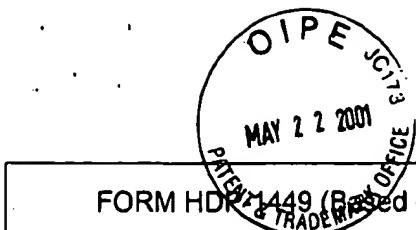
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42.	D.P.	4,608,009	08/26/86	Whiteside, et al.		
43.		4,636,348	01/13/87	Whiteside		
44.		4,649,007	03/10/87	Bonis, et al.		
45.		4,666,544	05/19/87	Whiteside, et al.		
46.		4,742,781	05/10/88	Shuert		
47.		4,801,347	1/31/89	Garwood		
48.		4,846,077	07/11/89	Win		
49.		4,907,515	03/13/90	Win		
50.		4,969,812	11/13/90	Brown		
51.		5,007,225	04/16/91	Teasdale		
52.		5,030,501	07/09/91	Colvin, et al.		
53.		5,042,396	08/27/91	Shuert		
54.		5,046,434	09/10/91	Breezer, et al.		
55.		5,071,603	12/10/91	Kurumaji, et al.		
56.		5,088,418	02/18/92	Reckermann, et al.		
57.		5,108,529	04/28/92	Shuert		
58.		5,117,762	06/02/92	Shuert		
59.		5,123,359	06/23/92	DelBalso		
60.		5,123,541	06/23/92	Giannini, et al.		
61.		5,143,778	09/01/92	Shuert		

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U.S. PATENT DOCUMENTS						
Ref. Design.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
62.	D.P.	5,156,782	10/20/92	Ballantyne		
63.		5,164,211	11/17/92	Comer		
64.		5,167,969	12/01/92	DeMaio, Jr., et al.		
65.		5,168,817	12/08/92	Nulle, et al.		
66.		5,197,395	03/30/93	Pigott, et al.		
67.		5,197,396	03/30/93	Breezer, et al.		
68.		5,225,213	07/06/93	Brown, et al.		
69.		5,226,373	07/13/93	Esch		
70.		5,229,648	7/20/93	Sues et al.		
71.		5,255,613	10/26/93	Shuert		
72.		5,283,028	02/01/94	Breezer, et al.		
73.		5,283,029	02/01/94	Ellemor		
74.		5,329,861	07/19/94	McCarthy		
75.		5,329,862	07/19/94	Breezer, et al.		
76.		5,337,681	08/16/94	Schrage		
77.		5,351,627	10/04/94	Junaedi		
78.		5,351,628	10/04/94	Breezer, et al.		
79.		5,351,629	10/04/94	Breezer, et al.		
80.		5,367,960	11/29/94	Schleicher		
81.	↓	5,367,961	11/29/94	Arai, et al.		

Examiner: Daryl Bone Date Considered: 4/28/05

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U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
82.	D.P.	5,390,467	02/21/95	Shuert		
83.		5,391,251	02/21/95	Shuert		
84.		5,401,347	03/28/95	Shuert		
85.		5,402,735	04/04/95	DeJean		
86.		5,404,829	04/11/95	Shuert		
87.		5,407,632	04/18/95	Constantino, et al.		
88.		5,408,937	04/25/95	Knight, IV et al.		
89.		5,413,052	05/09/95	Breezer, et al.		
90.		5,427,732	06/27/95	Shuert		
91.		5,448,110	9/5/95	Tuttle et al.		
92.		5,470,641	11/28/95	Shuert		
93.		5,479,416	12/26/95	Snodgrass et al.		
94.		5,492,069	02/20/96	Alexander, et al.		
95.		5,505,141	04/09/96	Barber		
96.		5,517,188	5/14/96	Carroll et al.		
97.		5,527,585	06/18/96	Needham, et al.		
98.		5,531,585	07/02/96	Lupke		
99.		5,535,668	07/16/96	Besaw, et al.		
100.		5,539,775	7/23/96	Tuttle et al.		
101.	+	5,555,820	09/17/96	Shuert		

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U.S. PATENT DOCUMENTS

Ref. Design.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
102.	DJ	5,583,819	12/10/96	Roesner et al.		
103.		5,596,933	01/28/97	Knight, et al.		
104.		5,606,921	03/04/97	Elder, et al.		
105.		5,620,715	04/15/97	Hart, et al.		
106.		5,624,622	04/29/97	Boyce, et al.		
107.		5,624,630	04/29/97	Breezer, et al.		
108.		5,635,129	06/03/97	Breezer, et al.		
109.		5,635,306	06/03/97	Minamida, et al.		
110.		5,638,760	06/17/97	Jordan, et al.		
111.		5,649,295	7/15/97	Shober et al.		
112.		5,661,457	8/26/97	Ghaffari et al.		
113.		5,664,322	9/9/97	Best		
114.		5,676,064	10/14/97	Shuert		
115.		5,686,928	11/11/97	Pritchett et al.		
116.		5,687,652	11/18/97	Ruma		
117.		5,708,423	1/13/98	Ghaffari et al.		
118.		5,716,581	02/10/98	Tirrell, et al.		
119.		5,755,162	05/26/98	Knight, et al.		
120.		5,769,003	06/23/98	Rose, et al.		
121.	↓	5,774,876	6/30/98	Woolley et al.		

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U.S. PATENT DOCUMENTS

Ref. Design.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
122.	D.P.	5,778,801	07/14/98	Delacour		
123.		5,782,129	07/21/98	Vanderzee, et al.		
124.		5,791,262	08/11/98	Knight, et al.		
125.		5,794,542	08/18/98	Besaw		
126.		5,794,544	08/18/98	Shuert		
127.		5,800,846	09/01/98	Hart		
128.		5,813,355	09/29/98	Brown, et al.		
129.		5,814,185	09/29/98	Chun, et al.		
130.		5,818,348	10/06/98	Walczak et al.		
131.		5,822,683	10/13/98	Pashen		
132.		5,822,714	10/13/98	Cato		
133.		5,830,299	11/03/98	Teixidor Casanovas, et al.		
134.		5,836,255	11/17/98	Uitz		
135.		5,843,366	12/01/98	Shuert		
136.		5,845,588	12/08/98	Gronnevik		
137.		5,860,369	01/19/99	John, et al.		
138.		5,862,760	01/26/99	Kohlhaas		
139.		5,868,080	02/09/99	Wyler, et al.		
140.		5,879,495	03/09/99	Evans		
141.	V	5,885,691	03/23/99	Breezer, et al.		

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U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
142.	D.P.	5,894,803	04/20/99	Kuga		
143.		5,900,203	05/04/99	Needham, et al.		
144.		5,908,135	6/1/99	Bradford et al.		
145.		5,921,189	07/13/99	Estepp		
146.		5,929,779	7/27/99	MacLellan et al.		
147.		5,933,354	8/3/99	Shimada et al.		
148.		5,936,527	8/10/99	Isaacman et al.		
149.		5,942,987	8/24/99	Heinrich et al.		
150.		5,950,545	09/14/99	Shuert		
151.		5,950,546	09/14/99	Brown, et al.		
152.		5,955,950	9/21/99	Gallagher, III et al.		
153.		5,963,144	10/5/99	Kruest		
154.		5,967,057	10/19/99	Nakayama, et al.		
155.		5,971,592	10/26/99	Kralj et al.		
156.		5,973,599	10/26/99	Nicholson et al.		
157.		5,975,879	11/02/99	Dresen, et al.		
158.		5,980,231	11/09/99	Arends, et al.		
159.		5,986,569	11/16/99	Mish et al.		
160.		5,986,570	11/16/99	Black et al.		
161.	V	5,993,724	11/30/99	Shuert		

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U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
162.	D.P.	5,999,091	12/7/99	Wortham		
163.		6,006,677	12/28/99	Apps, et al.		
164.		6,013,949	1/11/00	Tuttle		
165.		6,018,641	1/25/00	Tsubouchi et al.		
166.		6,018,927	02/01/00	Major		
167.		6,021,721	02/08/00	Rushton		
168.		6,025,780	2/15/00	Bowers et al.		
169.		6,027,027	2/22/00	Smithgall		
170.		6,029,583	02/29/00	LeTrudet		
171.		6,199,488 B1	03/13/01	Favaron, et al.		

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FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/Subclass	Translation Yes	Translation No
1.	D.P.	WO 99/64221	12/16/99	World Int. Prop. Org.			
2.		WO 98/21691	5/22/98	World Int. Prop. Org.			
3.		10-32851	2/3/98	Japan			
4.		9-41756	2/10/97	Japan			
5.		0 249 203	9/19/90	European Patent Office			

Examiner: D. C. Doyle

Date Considered: 4/28/05

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.	D.P.	English Abstract of Japanese Patent Publication 10032851 (February 16, 1998)
2.		English Abstract of Japanese Patent Publication 090041756 (September 11, 1998)
3.		Kevin R. Sharp, http://www.idsystems.com/implmenter/articles/deli0299.htm , A Delicate Balance: Multifrequency RF Management, 4 pages, February 1999
4.		Kevin R. Sharp, http://www.idsystems.com/reader/1999_03/phys0399.htm , Physical Reality, 4 pages, March 1999
5.		Kevin R. Sharp, http://www.idsystems.com/reader/1999_09/rfid0999.htm , RFID: What's It Worth to You?, 4 pages, September 1999
6.		Kevin R. Sharp, http://www.idsystems.com/reader/1999_11/good1199.htm , Good Design Makes RFID Work, 4 pages, November 1999
7.		Kevin R. Sharp, http://www.idsystems.com/reader/1999_05/join0599.htm , Joint Venture Produces New RFID Chips, 4 pages, May 1999
8.		Kevin R. Sharp, http://www.idsystems.com/reader/1999_05/less0599.htm , Lessons from the Front, 5 pages, May 1999
9.		Paul Quinn, http://www.idsystems.com/reader/1999_05/comm0599/comm09599.htm , Could this be the Start of Something Big?, 2 pages, May 1999
10.		Paul Quinn, http://www.idsystems.com/reader/2000_01/high0100/high0100.htm , A Highly Pallet-able Solution, 3 pages, January 2000
11.		MicrolD™ 125 kHz RFID System Design Guide, entire booklet, 1998 Microchip Technology Inc., December 1998
12.		FastTrack™ Series RFID Tags, Escort Memory Systems, Inc. 1999, Publication No. 17-5128, 6 pages
13.		Jay Werb & Colin Larel, http://www.pinpointco.com/_private/whitepaper.html , Designing a Positioning System for Finding Things and People Indoors, 11 pages, 1998
14.		Tag-it™ Inlays, Texas Instruments, 2 sheets, 1999

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